

CLAIMS

I claim:

1. A portable deck system for use with conventional recreational vehicles and fifth wheel campers having an entry door above ground level, the system comprising:

a platform assembly having a top surface positionable adjacent to a threshold of the entry door, said platform assembly providing a horizontal space for a user external to the entry door; and

an access means operationally coupleable to said platform assembly, said access means providing a vertical transition between said platform assembly and ground level.

2. The system of claim 1, wherein said platform assembly further comprises:

a plurality of decking members, each one of said plurality of decking members having a top portion forming said top surface of said platform assembly;

a horizontal support frame assembly providing a horizontal support surface to each one of said plurality of decking members; and

a plurality of leg members, each one of said leg members being operationally coupleable to said horizontal support frame assembly, each one of said plurality of leg members providing vertical support to said horizontal support frame assembly.

3. The system of claim 2, wherein each one of said plurality of leg members is hingeably coupled to said horizontal support frame assembly to facilitate folding of said platform assembly for storage and transportation.

4. The system of claim 2, wherein at least one of said plurality of leg members is telescopic for adjusting a length of said at least one leg member.

5. The system of claim 2, wherein said horizontal support frame assembly further comprises a first portion and a second portion said first portion being selectively coupleable to said second portion for use supporting said plurality of decking members, said first portion being selectively separable from said second portion to facilitate storage and transport of said horizontal support frame assembly.

6. The system of claim 2, wherein each one of said plurality of leg members further comprises a base portion coupled to a distal end of an associated one of said plurality of leg members, said base portion providing an enlarged surface area for contacting the ground and inhibiting said associated one of said plurality of leg members from sinking below ground level.

7. The system of claim 1, wherein said access means further comprises a stair assembly.

8. The system of claim 7, wherein said stair assembly further comprises:

a stair frame assembly providing a plurality of incremental vertical supports between ground level and said platform assembly; and

a plurality of stair treads, each one of said stair treads being coupleable to an associated one of said plurality of incremental vertical supports.

9. The system of claim 8, wherein said stair frame assembly being selectively coupleable to said platform assembly to facilitate access between said platform assembly and ground level, said stair frame assembly being selectively separable from said platform assembly to facilitate storage and transportation of said access means.

10. The system of claim 8, further comprising a secondary stair assembly operationally coupleable to said stair assembly, said secondary stair assembly providing additional incremental vertical supports between ground level and a first one of said incremental vertical supports of said stair assembly to facilitate use of said platform assembly with entry doors having a threshold height requiring additional stairs for access.

11. The system of claim 1, further comprising a railing assembly having at least one handrail portion and at least two vertical stanchions, said at least one handrail portion being positioned between said at least two vertical stanchions, each one of said at least two vertical stanchions being coupleable to said platform assembly.

12. The portable deck system of claim 1, further comprising:
wherein said platform assembly further comprises:

a plurality of decking members, each one of said plurality of decking members having a top portion forming said top surface of said platform assembly;

a horizontal support frame assembly providing a horizontal support surface to each one of said plurality of decking members;

a plurality of leg members, each one of said leg members being operationally coupleable to said horizontal support frame assembly, each one of said plurality of leg members providing vertical support to said horizontal support frame assembly.

each one of said plurality of leg members is hingeably coupled to said horizontal support frame assembly to facilitate folding of said platform assembly for storage and transportation;

wherein at least one of said plurality of leg members is telescopic for adjusting a length of said at least one leg member;

wherein said horizontal support frame assembly further comprises a first portion and a second portion said first portion being selectively coupleable to said second portion for use supporting said plurality of decking members, said first portion being selectively separable from said second portion to facilitate storage and transport of said horizontal support frame assembly;

each one of said plurality of leg members further comprises a base portion coupled to a distal end of an associated one of said plurality of leg members, said base portion providing an enlarged surface area for contacting the ground and inhibiting said

associated one of said plurality of leg members from sinking below ground level;

said access means further comprises a stair assembly including a stair frame assembly and a plurality of stair treads;

said stair frame assembly providing a plurality of incremental vertical supports between ground level and said platform assembly;

said plurality of stair treads, each one of said stair treads being coupleable to an associated one of said plurality of incremental vertical supports;

said stair frame assembly being selectively coupleable to said platform assembly to facilitate access between said platform assembly and ground level, said stair frame assembly being selectively separable from said platform assembly to facilitate storage and transportation of said access means;

a secondary stair assembly operationally coupleable to said stair assembly, said secondary stair assembly providing additional incremental vertical supports between ground level and a first one of said incremental vertical supports of said stair assembly to facilitate use of said platform assembly with entry doors having a threshold height requiring additional stairs for access;

a railing assembly having at least one handrail portion and at least two vertical stanchions, said at least one handrail portion being positioned between said at least two vertical stanchions, each one of said at least two vertical stanchions being coupleable to said platform assembly.

13. A portable deck system for use with conventional recreational vehicles and fifth wheel campers having an entry door above ground level, the system comprising:

a platform assembly having a top surface positionable adjacent to a threshold of the entry door, said platform assembly providing a horizontal space for a user external to the entry door;

a stair assembly operationally coupleable to said platform assembly, said stair assembly providing a vertical transition between said platform assembly and ground level;

said platform assembly including a plurality of decking members, a first support frame assembly and a second support frame assembly;

said first support assembly being selectively coupleable to said second support assembly to support said plurality of decking members, said first support assembly being selectively separable from said second support assembly to facilitate storage and transport of said platform assembly;

said platform assembly further comprising a trio of leg members, each one of said trio of leg member being hinged to said first support assembly, each one of said trio of leg members being telescopic to adjust an overall height of said leg member;

said platform assembly further comprising a second trio of leg members, each one of said second trio of leg members being hinged to said second support assembly, each one of said second trio of leg members being telescopic to adjust an overall height of said leg member;

each one of said plurality of decking members being selectively coupleable to an associated one of said first support assembly and said second support assembly;

wherein said stair assembly further comprises:

a stair frame assembly providing a plurality of incremental vertical supports between ground level and said platform assembly;

a plurality of stair treads, each one of said stair treads being coupleable to an associated one of said plurality of incremental vertical supports;

said stair frame assembly being selectively coupleable to said platform assembly to facilitate access between said platform assembly and ground level, said stair frame assembly being selectively separable from said platform assembly to facilitate storage and transportation of said access means;

a railing assembly having at least one handrail portion and at least two vertical stanchions, said at least one handrail portion being positioned between said at least two vertical stanchions, each one of said at least two vertical stanchions being coupleable to said platform assembly.

14. The system of claim 13, further comprising:

said first support frame assembly comprising a first tubular horizontal member having a first lateral extent, a second lateral extent, a third lateral extent, and a longitudinal extent, said longitudinal extent extending between said first lateral extent and said second lateral extent, said third lateral extent being positioned between said first lateral extent and said second lateral extent, said third lateral extent being coupled to a medial portion of said longitudinal extent, said first tubular horizontal member being substantially E-shaped;

said second support frame assembly comprising a second tubular horizontal member having a fourth lateral extent, a fifth lateral extent, a sixth lateral extent, and a second longitudinal

extent, said second longitudinal extent extending between said fourth lateral extent and said fifth lateral extent, said sixth lateral extent being positioned between said fourth lateral extent and said fifth lateral extent, said sixth lateral extent being coupled to a medial portion of said second longitudinal extent, said second tubular horizontal member being substantially E-shaped.

15. The system of claim 14, wherein said platform assembly further comprises:

a trio of lateral extent splice members, each one of said trio of lateral extent splice members having a first end fixedly coupled to a distal end of an associated one of said first lateral extent, second lateral extent, and third lateral extent, each one of said trio of lateral extent splice members having a second end with an aperture extending therethrough;

each one of said fourth lateral extent, fifth lateral extent, and sixth lateral extent having a distal end with a mating aperture extending therethrough;

said second end of each one of said trio of lateral extent splice members being slideably receivable within said distal end of an associated one of said fourth lateral extent, fifth lateral extent, and sixth lateral extent;

said aperture extending through each one of said second ends of said trio of lateral extent splice members being alignable with an associated one of said mating aperture of said fourth lateral extent, fifth lateral extent, and sixth lateral extent; and

a trio of pin members, each one of said pin members being positionable through an associated pair of an aperture and a mating aperture whereby said first support frame assembly is coupled to said second support frame assembly.

16. The system of claim 14, further comprising:

each one of said lateral extents and longitudinal extents of said first support frame assembly and said second support frame assembly having a generally square cross-section facilitating identification of said first and second support assemblies as part of said platform assembly;

said at least one handrail portion and said at least two vertical stanchions each having a generally round cross-section facilitating identification of said handrail and stanchion assemblies as part of said railing assembly.

17. The system of claim 13, further comprising a securing means for selectively coupling said platform assembly to said RV to inhibit movement of said platform assembly relative to said RV.

18. A portable deck system for use with conventional recreational vehicles and fifth wheel campers having an entry door above ground level, the system comprising:

a platform assembly having a top surface positionable adjacent to a threshold of the entry door, said platform assembly providing a horizontal space for a user external to the entry door;

a stair assembly operationally coupleable to said platform assembly, said stair assembly providing a vertical transition between said platform assembly and ground level;

said platform assembly including a plurality of decking members, a first support frame assembly and a second support frame assembly;

said first support assembly being selectively coupleable to said second support assembly to support said plurality of decking members, said first support assembly being selectively separable

from said second support assembly to facilitate storage and transport of said platform assembly;

said platform assembly further comprising a pair of leg members, each one of said pair of leg member being hinged to said first support assembly, each one of said pair of leg members being telescopic to adjust an overall height of said leg member;

said platform assembly further comprising a second pair of leg members, each one of said second pair of leg members being hinged to said second support assembly, each one of said second pair of leg members being telescopic to adjust an overall height of said leg member;

each one of said plurality of decking members being selectively coupleable to an associated one of said first support assembly and said second support assembly;

wherein said stair assembly further comprises:

a stair frame assembly providing a plurality of incremental vertical supports between ground level and said platform assembly;

a plurality of stair treads, each one of said stair treads being coupleable to an associated one of said plurality of incremental vertical supports;

said stair frame assembly being selectively coupleable to said platform assembly to facilitate access between said platform assembly and ground level, said stair frame assembly being selectively separable from said platform assembly to facilitate storage and transportation of said access means;

a railing assembly having at least one handrail portion and at least two vertical stanchions, said at least one handrail portion being positioned between said at least two vertical stanchions, each

one of said at least two vertical stanchions being coupleable to said platform assembly.

19. The system of claim 18, wherein said platform assembly further comprises:

a trio of lateral extent splice members, each one of said trio of lateral extent splice members having a first end fixedly coupled to a distal end of an associated one of said first lateral extent, second lateral extent, and third lateral extent, each one of said trio of lateral extent splice members having a second end with an aperture extending therethrough;

each one of said fourth lateral extent, fifth lateral extent, and sixth lateral extent having a distal end with a mating aperture extending therethrough;

said second end of each one of said trio of lateral extent splice members being slideably receivable within said distal end of an associated one of said fourth lateral extent, fifth lateral extent, and sixth lateral extent;

said aperture extending through each one of said second ends of said trio of lateral extent splice members being alignable with an associated one of said mating aperture of said fourth lateral extent, fifth lateral extent, and sixth lateral extent; and

a trio of pin members, each one of said pin members being positionable through an associated pair of an aperture and a mating aperture whereby said first support frame assembly is coupled to said second support frame assembly.

20. The system of claim 19, further comprising:

each one of said lateral extents and longitudinal extents of said first support frame assembly and said second support frame assembly having a generally square cross-section facilitating identification of said first and second support assemblies as part of said platform assembly;

said at least one handrail portion and said at least two vertical stanchions each having a generally round cross-section facilitating identification of said handrail and stanchion assemblies as part of said railing assembly; and

a securing means for selectively coupling said platform assembly to said RV to inhibit movement of said platform assembly relative to said RV.